Performance Data Sheet

AKA4476YXC

General Information

Model	AKA4476YXC	**Refrigerant**	R-134a
Test Condition	ARI	**Performance Test Voltage**	240V ~ 50HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	CSIR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	5020	4570	4170	3790	3420	3010	2540
	Watts	504	540	573	602	625	641	647
	Amps	3.37	3.52	3.62	3.68	3.74	3.80	3.90
	Lb/h	65.8	62.0	59.2	56.8	54.1	50.6	45.8
25	Btu/h	5720	5200	4740	4310	3880	3430	2930
	Watts	522	561	598	633	663	687	703
	Amps	3.41	3.59	3.71	3.81	3.89	3.97	4.08
	Lb/h	75.0	70.8	67.5	64.7	61.8	58.1	53.1
30	Btu/h	6550	5950	5420	4930	4450	3950	3410
	Watts	542	584	625	665	702	733	759
	Amps	3.43	3.64	3.80	3.92	4.02	4.13	4.25
	Lb/h	86.2	81.3	77.6	74.4	71.1	67.2	62.1
35	Btu/h	7490	6810	6210	5650	5110	4560	3960
	Watts	564	608	653	697	740	779	813
	Amps	3.44	3.69	3.88	4.02	4.15	4.28	4.42
	Lb/h	99.0	93.6	89.3	85.7	82.0	77.8	72.5
40	Btu/h	8530	7770	7080	6450	5840	5220	4570
	Watts	587	632	680	728	776	822	864
	Amps	3.45	3.73	3.95	4.13	4.28	4.42	4.59
	Lb/h	113	107	102	98.3	94.3	89.8	84.2
45	Btu/h	9670	8810	8030	7320	6630	5950	5230
	Watts	610	656	706	758	811	863	912
	Amps	3.46	3.78	4.03	4.23	4.41	4.57	4.75
	Lb/h	129	122	117	112	108	103	97.0
50	Btu/h	10900	9920	9050	8240	7470	6710	5920
	Watts	633	679	730	786	843	901	957
	Amps	3.48	3.83	4.11	4.34	4.54	4.73	4.93
	Lb/h	146	138	132	127	122	117	111
55	Btu/h	12100	11100	10100	9200	8340	7500	6640
	Watts	654	700	753	810	871	934	997
	Amps	3.50	3.89	4.20	4.46	4.68	4.89	5.11
	Lb/h	164	156	149	143	137	132	125

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.027121E+04	2.323682E+02	-7.349645E-01	1.576682E+02
C2	9.502490E+01	4.545401E-01	-4.824143E-02	8.652092E-01
C3	-1.651506E+02	2.012639E+00	1.110532E-01	-3.028125E+00
C4	5.013289E+00	2.056186E-01	-7.091735E-04	6.089878E-02
C5	-1.807988E+00	-1.147490E-01	1.228036E-03	-2.018640E-02
C6	1.430380E+00	3.348339E-02	-1.060798E-03	2.875420E-02
C7	-1.760979E-02	-9.743018E-04	5.681391E-06	-2.223011E-04
C8	-1.401928E-02	-1.074324E-03	5.096822E-07	-8.819001E-05
C9	6.431983E-03	1.320301E-03	-3.416367E-06	8.126949E-05
C10	-4.768952E-03	-2.707984E-04	3.262552E-06	-9.542092E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature